



Dimensions :- Metric (Inch)

- Features:-
1. Conductive plastic long life resistance element.
 2. High quality engineering plastic sturdy low profile body.
 3. Precious metal high technology wiper gives noise free output.

ELECTRICAL CHARACTERISTICS :-	UNITS	VALUE
Resistance Element.....	--	Conductive Plastic
Resistance Range.....	Ohms	1k-5k, 10k (other value up to 100k)
Resistance Tolerance.....	±%	20 ⁰²
Standard Independent Linearity Tolerance... (IEC 393)...	±%	2 ⁰³
Electrical angle.....	Degrees	340° ±5° ⁰⁴
Resolution.....	--	Essentially infinite
Temperature Coefficient of Resistance (TCR).....	ppm/deg C	±400
Power Rating @ 70°C.....	Watts	1.0 ⁰⁵
Insulation Resistance @ 500 Vdc.....	M Ohms	1000 ⁰⁶
Dielectric Strength @ 50 Hz.....	V ac	500 ⁰⁶
Maximum Wiper current.....	mAmps	1
short time wiper current 10 sec. End voltage as a % of applied voltage	mAmps	10 ⁰⁷
	%	Less than 0.5 ⁰⁷

MECHANICAL CHARACTERISTICS :-

Rotation (Mechanical Angle) continuous.....	Degrees	360° ⁰⁸
Bearing Type.....	--	Sleeve
Torque... Starting.....	Nmm (Oz Inch)	5 (0.708) ⁰⁹
Torque... Running.....	Nmm (Oz Inch)	4 (0.566)
Spanner size of nut	m.m.	14
Nut tightening Torque.....	N.m.	0.8
Axial Play	m.m.(inch)	0.2 (0.00787) max ¹⁰
Radial Play	m.m.(inch)	0.2 (0.00787) max ¹¹

ENVIRONMENTAL CHARACTERISTICS :-

Operating Temperature.....	Degrees C	-40 to +105
ROHS compliance	--	Yes

PERFORMANCE :-

Rotational Life (shaft Revolutions).....	Nos.	5,000,000
--	------	-----------

MATERIALS OF CONSTRUCTION:-

Housing.....	--	Engg. Plastic
Shaft.....	--	Stainless Steel
Terminals.....	--	Brass,gold plated
Bushing.....	--	Industrial Brass
Mounting Hardware	--	Lock Washer-steel + Nut-Brass, A/F 14 X 3 mm,both Nickel plated

Uni-Automation (I) Pvt Ltd
 Tell/Fax: +91-(020)-24440890
 www.uniautomation.com

CONDUCTIVE PLASTIC POTENTIOMETER

NP23-327

First Issue : 2009/03/10 Scale: - 1:1

Tolerances DIN-ISO 2768-1 (1991-08) (Tolerance class-medium)	UAPL PART NO 129327	CUSTOMER DRAWING REF NO NA	REV - 00
		Customer : UAPL STANDARD	SHEET 1 of 1

Soldering Recommendation :- Use soldering Iron at 350° C for 3 second maximum.

Clean the soldered pads with Isopropyl alcohol after soldering. Continuous improvements are being made for enhancing performance for customer benefit in product design & process. The product supplied may be slightly different than described by above specifications